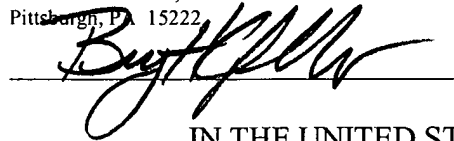


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BUCHANAN INGERSOLL PC
One Oxford Center, 20th Floor
Pittsburgh, PA 15222



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	:	PATENT APPLICATION
	:	
Michael A. Seigler	:	MAGNETIC READ SENSOR WITH
	:	STRIPE WIDTH AND STRIPE
	:	HEIGHT CONTROL
Serial No.: unassigned	:	
	:	Group Art Unit: unassigned
Filed: herewith	:	Examiner: unassigned

INFORMATION DISCLOSURE STATEMENT

Pittsburgh, Pennsylvania 15219
December 1, 2003

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

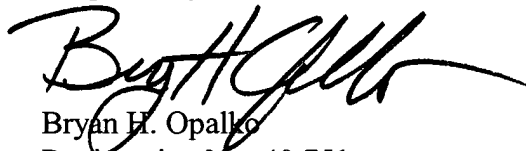
Applicant submits herewith information of which he is aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art" for the above-identified invention unless specifically designated as such. In accordance with 37 C.F.R. §§ 1.97(g)-(h),

the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists, as defined in 37 C.F.R. § 1.56(a).

Submitted herewith is a copy of each reference, together with a Form PTO-1449 listing the art provided herewith.

This Information Disclosure Statement is being filed within three (3) months from the filing date of the above-identified application and, accordingly, it is believed that no fee is required. *See* 37 C.F.R. § 1.97(b)(1). However, if a fee is required for any reason, please charge Deposit Account No. 02-4553 the necessary amount.


Respectfully submitted,



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Dated: December 1, 2003

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	unassigned
				Filing Date	herewith
				First Named Inventor	Michael Allen Seigler
				Group Art Unit	
Examiner Name					
Attorney Docket Number	030120				
Sheet	1	of	2		

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		6,373,667		Han et al.	04/16/2002	
		6,230,389		Zhu	05/15/2001	
		6,496,333		Han et al.	12/17/2002	
		6,449,131		Guo et al.	09/10/2002	
		6,430,015		Ju et al.	08/06/2002	
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		5,684,568		Ishikawa et al.	11/04/1997	
		5,653,013		Gill et al.	08/05/1997	
		5,546,254		Gill	08/13/1996	
		5,079,831		Reid	01/14/1992	
		6,204,071		Ju et al.	03/20/2001	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document by the two-letter code (WPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	unassigned
				Filing Date	herewith
				First Named Inventor	Michael A. Seigler
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	030120

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		B. J. VAN WEES, H. VAN HOUTEN, C. W. J. BEENAKKER, J. G. WILLIAMSON, L. P. KOUWENHOVEN, D. VAN DER MAREL and C. T. FOXON Quantized Conductance of Point Contacts in a Two-Dimensional Electron Gas Physical Review Letters, Vol. 60, No 9, February 29, 1988		
		Mesoscopic physics Chapter 9 9.1 Conductance quantization in quantum point contacts		
Examiner Signature			Date Considered	

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